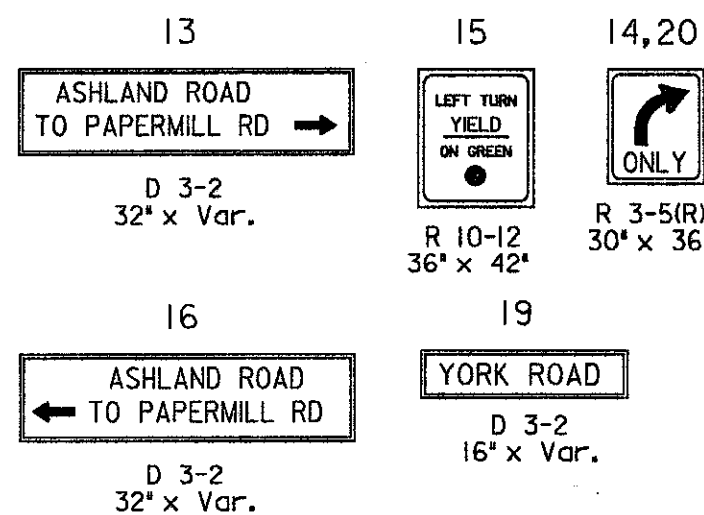
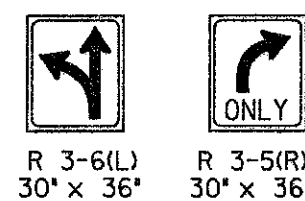


MD 45 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION

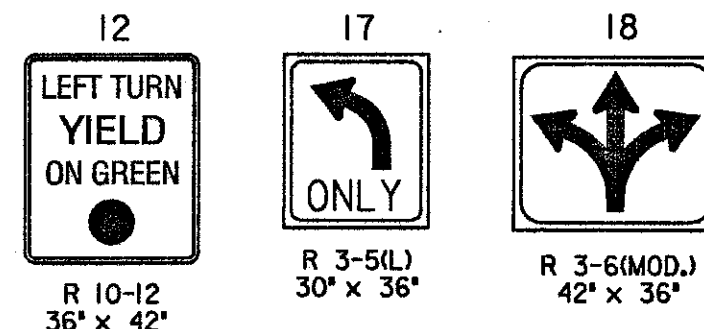
EXISTING SIGNS



EXISTING SIGNS TO BE REMOVED



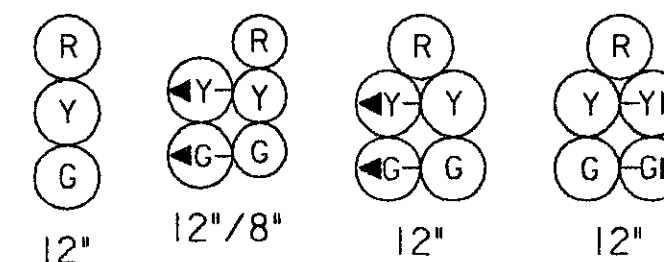
PROPOSED SIGNS



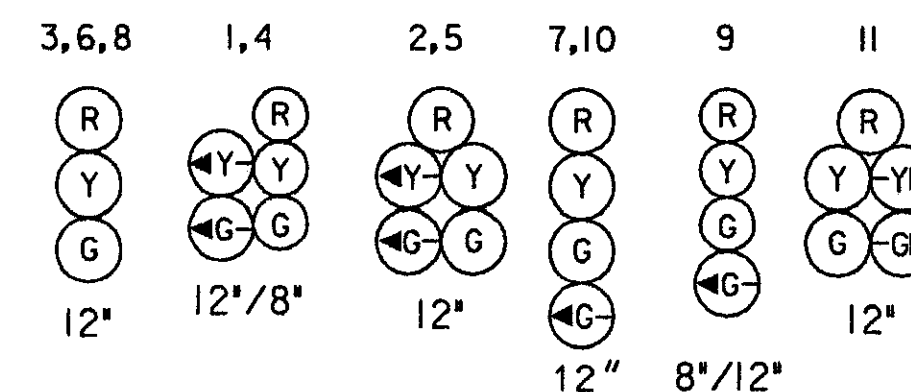
PROPOSED VIDEO DETECTION

I, II, III, IV

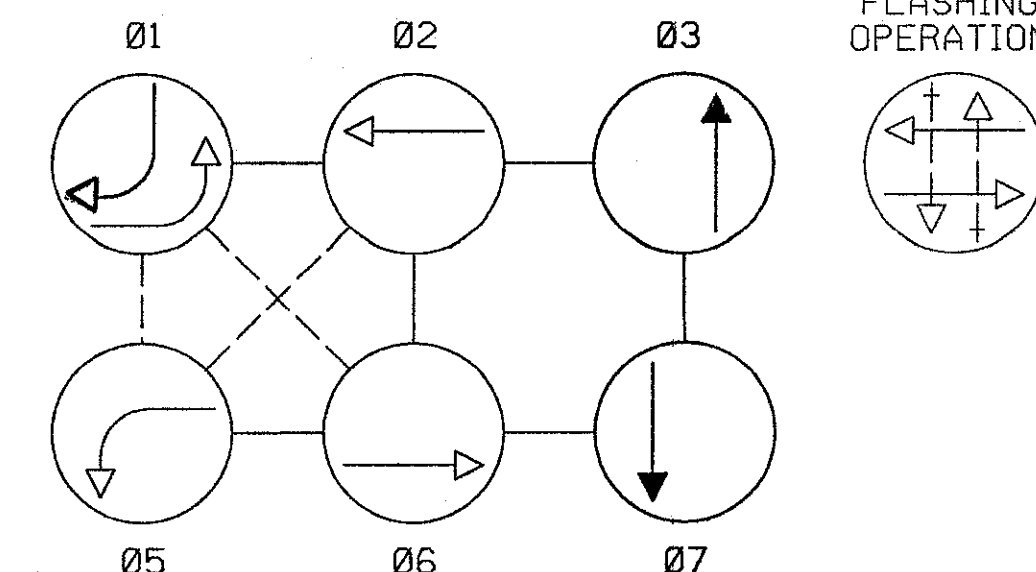
EXISTING SIGNALS TO BE REMOVED



PROPOSED SIGNALS



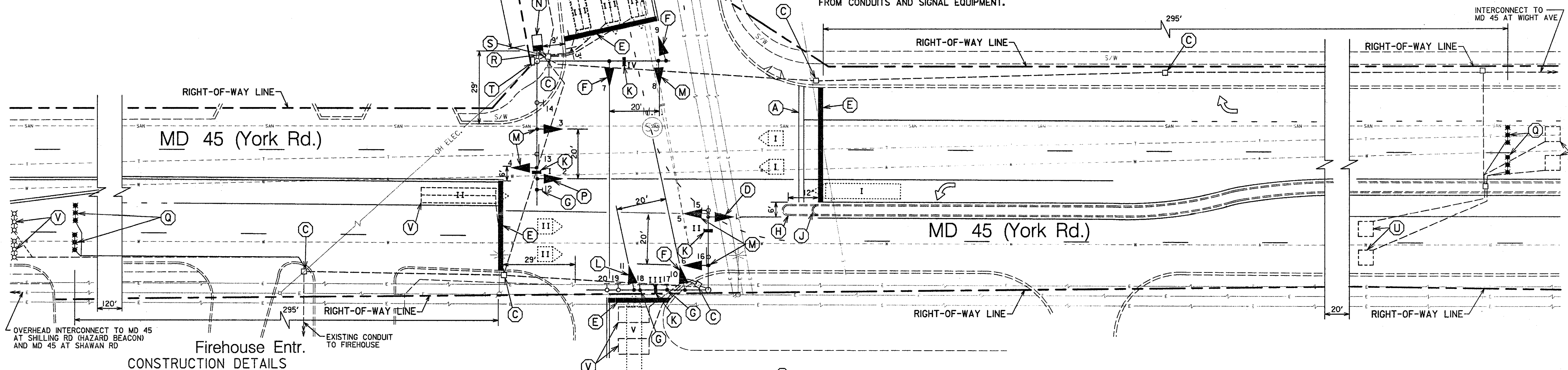
NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT FOR THE CONTROLLER AND INTERNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL. SHA SHALL SALVAGE THE EXISTING CONTROLLER AND INTERNAL EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL REMOVE ALL UNUSED SIGNAL CABLES FROM CONDUITS AND SIGNAL EQUIPMENT.



- (A) REMOVE EXISTING PAVEMENT MARKINGS.
- (B) SEE I.F.B. FOR PROPOSED PAVEMENT MARKINGS ALONG ASHLAND ROAD.
- (C) MAINTAIN EXISTING HANDHOLE.
- (D) INSTALL NEW "BLACK FACED" 5-HEAD SIGNAL.
- (E) INSTALL 24 INCH THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE AS DIMENSIONED ON PLAN.
- (F) REPLACE EXISTING 3-HEAD SIGNAL WITH A NEW "BLACK FACED" 4-HEAD SIGNAL.
- (G) INSTALL NEW OVERHEAD SIGN.
- (H) REMOVE EXISTING CONCRETE MEDIAN AS SHOWN IN I.F.B.
- (J) INSTALL NEW CONCRETE MEDIAN AND GUTTER AS SHOWN IN I.F.B.
- (K) INSTALL VIDEO DETECTION CAMERA USING PEDESTAL BRACKET TO EXISTING MAST ARM.
- (L) REPLACE EXISTING 5-HEAD SIGNAL WITH A NEW "BLACK FACED" 5-HEAD SIGNAL.
- (M) REPLACE EXISTING SIGNAL HEAD WITH NEW "BLACK FACED" SIGNAL HEAD, AND CONNECT TO EXISTING WIRING.

- (N) INSTALL NEW NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONTROLLER HARDWARE, VIDEO INTERFACE EQUIPMENT, DISCONNECT, AND METER (FOUNDATION SHALL HAVE TWO 2 INCH AND TWO 4 INCH 90 DEGREE CONDUIT ELBOWS).
- (P) REPLACE EXISTING 3-HEAD SIGNAL WITH A NEW "BLACK FACED" 5-HEAD SIGNAL.
- (Q) INSTALL MICRO LOOP PROBE AND LEAD-IN CABLE, ROUTE LEAD-IN CABLE THROUGH EXISTING CONDUIT TO NEW CONTROLLER CABINET.

Hampton Inn Entr.

- (R) INSTALL 2 INCH DIAMETER SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED FOR POWER FEED TO NEW CABINET. EXISTING OVERHEAD POWER FEED TO BE EXTENDED FROM EXISTING SIGNAL POLE-MOUNTED METER AND DISCONNECT, THROUGH NEW 2 INCH CONDUIT TO NEW CONTROLLER CABINET.
- (S) INSTALL TWO 4 INCH SCHEDULE 80 PVC CONDUIT- TRENCHED.
- (T) REMOVE EXISTING POLE MOUNTED CONTROLLER CABINET AND EQUIPMENT. CONTRACTOR SHALL RETURN CONTROLLER AND INTERNAL EQUIPMENT TO SHA.
- (U) SEE MD 45/WIGHT AVENUE SIGNAL PLAN.
- (V) EXISTING LOOP DETECTOR TO BE ABANDONED AND DESTROYED DURING GRINDING OPERATION.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES

REVISION F CONSULTANT



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CIVIL AND STRUCTURAL ENGINEERS
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Suite 300
Towson, Maryland 21204

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

RESURFACING, REVISED LANE ASSIGNMENTS AND SPLIT PHASING. SHA NO. BA429007
JAN/FEB 2000
AS BUILT
FBI
NOVEMBER 19, 1998
MODIFICATIONS DUE TO NEW GEOMETRICS
SHA NO. BW968482
JES

SIGNAL PLAN SHEET 1

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 45 (YORK ROAD) AT MD 145 (ASHLAND RD.) / HAMPTON INN ENTRANCE

SCALE 1"=20' DATE 07/24/92 CONTRACT NO. B904-459-485

DESIGNED BY
DRAWN BY W.R.S.
CHECKED BY D.E.W./ J.G.B.
F.A.P. NO. N/A
COUNTY BALTIMORE
LOGMILE 03004508.85
T.I.M.S. NO. 6856
TOD NO. 0035F

DRAWING NO. TS 2686 - OF SHEET NO. OF